Meso American - Caribbean Sea Hydrographic Commission

MACHC Maritime Safety Information Working Group (MSI WG) Report 2023

MSI WG Chair

Christopher Janus (United States)

Presentation Agenda

- Terms of Reference (approved)
- NAVAREA IV/XII report to the 15th meeting of the WWNWS
- IMO Navigation, Communications, and Search and Rescue (10th meeting)
  - IMO/IHO/WMO Manual on Maritime Safety Information
  - Development of Performance Standards for a Digital Navigational Data System (NAVDAT)
- Space Activities
- C-55
- CARIBE WAVE
- S-124
- Election of the Chair and Vice Chair
- Work Plan for 2024

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NAVAREA IV/XII Report

- Limits of NAVAREA IV/XII

- Operational Points of Contact for National Coordinators

- GMDSS Master Plan update

- NAVTEX Points of Contact

- NAVAREA Metrics

- Operational issues

- <u>WWNWS 15 Action:</u> Investigate/consider whether a NAVAREA should issue a navigational warning for a 'Saildrone' when it is operating within its NAVAREA

IMO/IHO/WMO MSI Manual (In force 1 January 2025)

- Standard Message Element 6
  Geographical Position

  - **Every navigational warning should have an associated geographic position**

  - **Every navigational warning should have a geographic position suitable to support an ECDIS**

- Updated navigational warning examples

  - Aligned to S-124 message categories (*Warning Type General and Warning Type Details*)

    - *Warning Type General: Drifting hazard (Message Category in the MSI Manual)*

    - *Warning Type Details: Container adrift*
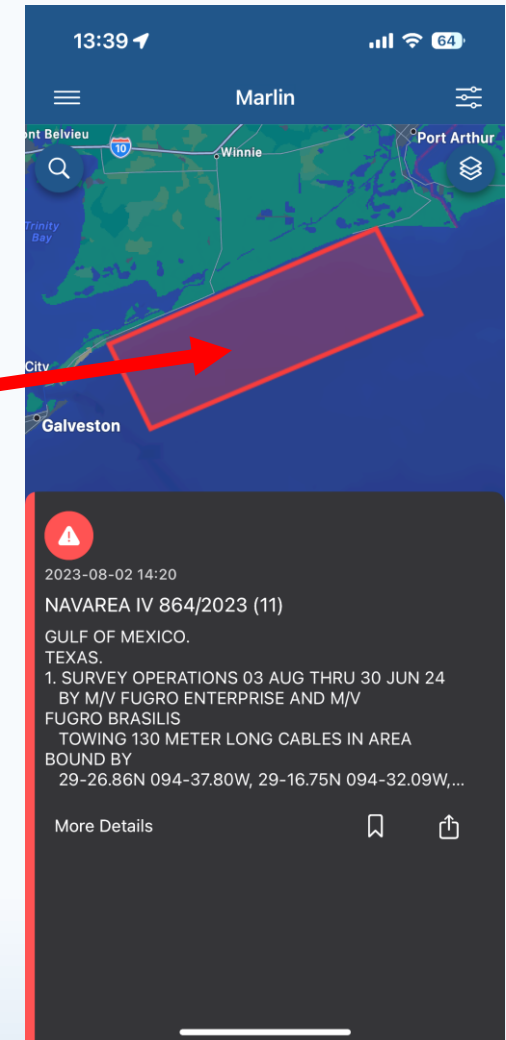
NAVDAT Roadmap

- Determine if the intent is for NAVDAT to **eventually replace NAVTEX**, and if so, **what is the time frame and regulatory amendments required**.

- Determine if **NAVDAT can support the S-100 data model** for providing maritime safety information to ships at sea, for navigational warnings, meteorological warnings and forecasts and ice information. *Can it support the volume of information?*

- Engage with the IHO and WMO on the development of **guidelines and procedures for the integration process**, including a NAVDAT manual and **operational implementation plan as a component of the WWNWS and WWMIWS**

YouTube NAVDAT vs NAVTEX Myths & Misconceptions

Space Operations Working Group

- 13 NAVAREA Represented
- 4 National Coordinators
- 8 Space Operators
- 3 Other Attendees such as aviation administrations

NEXT STEPS
- Geospatially displaying data via an easy to access platform
- S-124 warnings for space operators
- Detailed analysis of how seafarers operate in areas in which they may encounter space hazards
- Educational outreach to new space providers to provide to understand World-wide Navigational Warning Service

MSI Capacity support to C-55

Meets MSI SPI

Does not meet MSI SPI
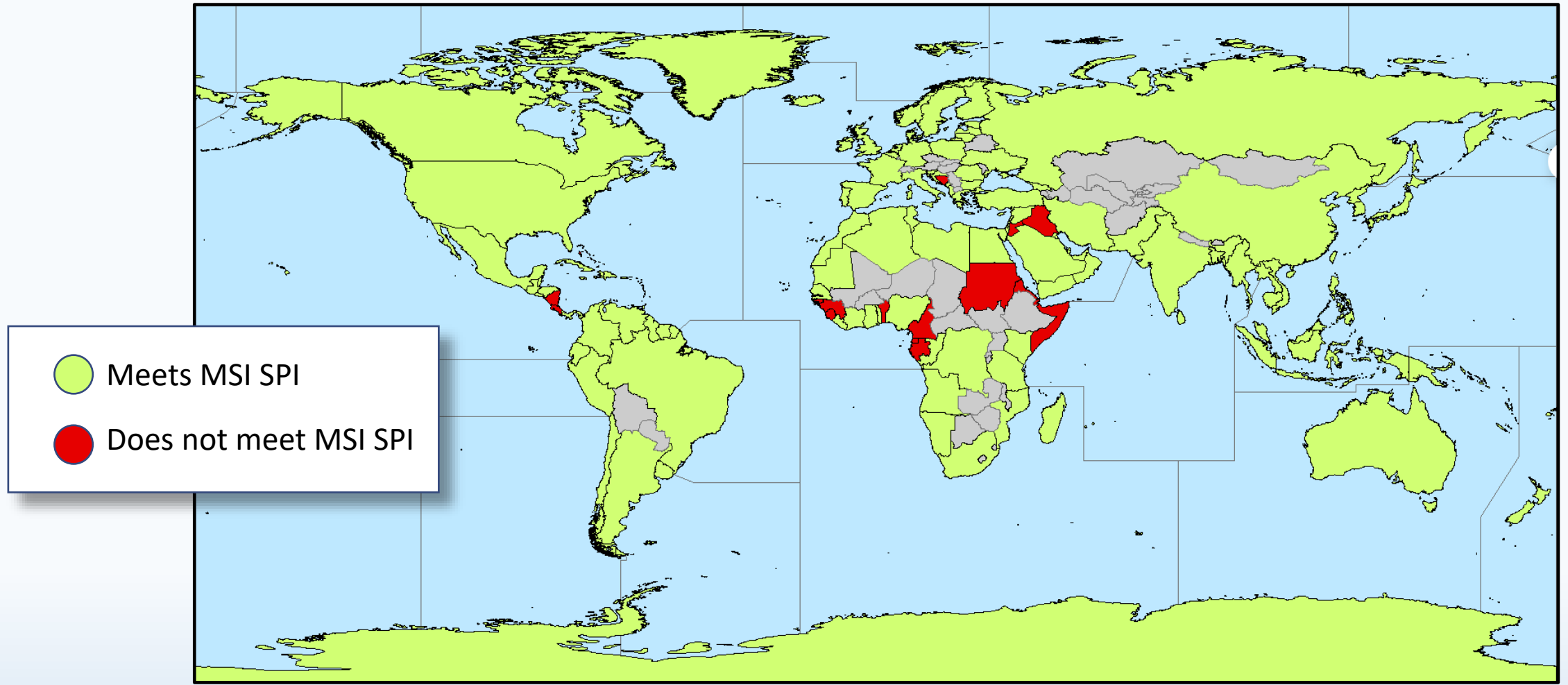
MSI Capacity support to C-55 (Coastal State attribution)

Field	Value
OBJECTID	7
Shape	Polygon
MSI Status	Bad
National Coordinator	Rawle Hazell
Phone	+1 264 497 2651
Email	rawle.hazell@gov.ai
NAVAREA	IV
2nd NAVAREA	<null>
3rd NAVAREA	<null>
RHC	Meso American & Carribean Sea HC
Country Name	Anguilla
ISO	AI
Affiliated Country	United Kingdom
AFF_ISO	GB
Shape_Length	0.468389
Shape_Area	0.007798
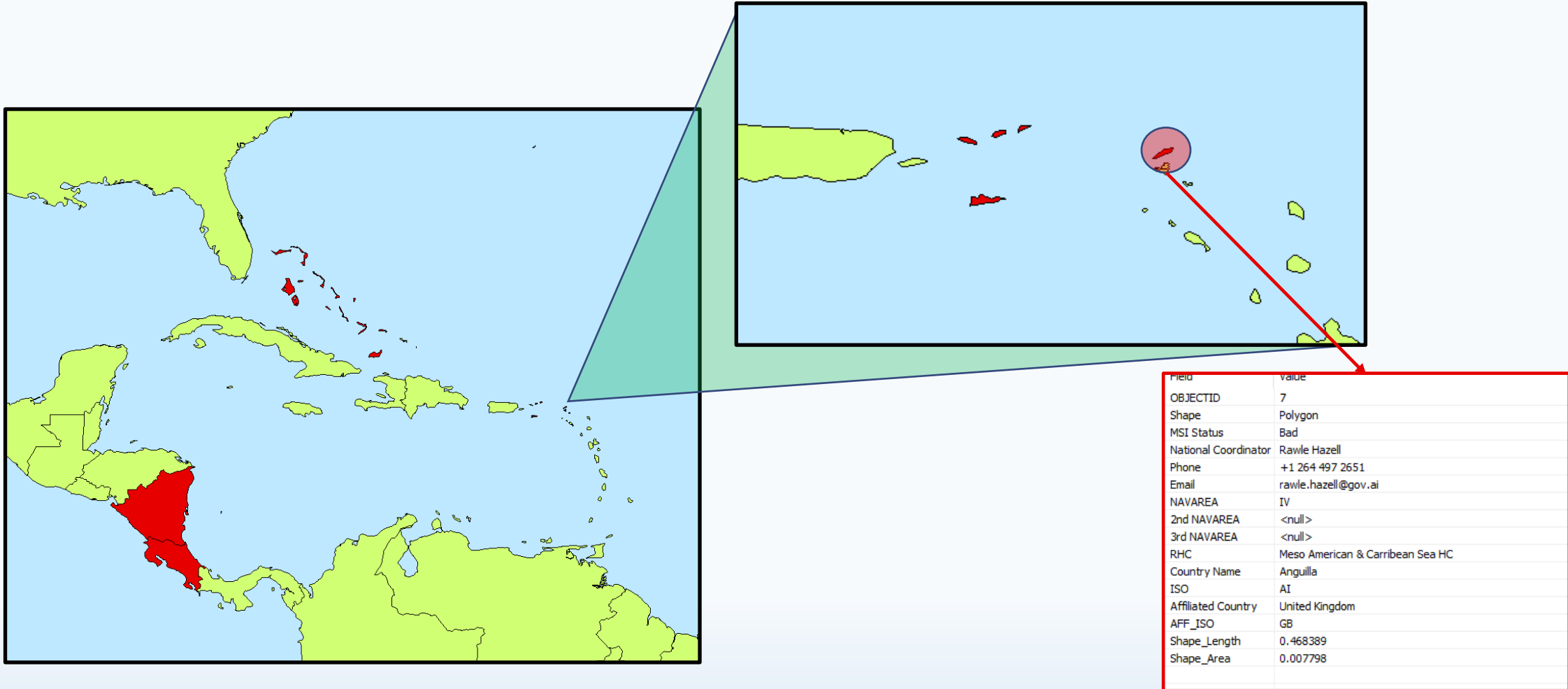
Tsunami Preparedness: CARIBE WAVE

- **Tsunami Ready** is a community-based recognition program aims to build resilient communities through awareness and preparedness strategies that will protect life, livelihoods and property from tsunamis in different regions

- **CARIBE WAVE** aims to make 100% of coastal communities at risk of tsunamis prepared and resilient by 2030.
  - Its purpose is to practice and evaluate tsunami procedures and enhance public awareness and preparedness within the Member States and Territoritories

S-124 Navigational Warnings

- S-124 Project Team (PT) chaired by Canada
  - HSSC 15 approved S-124 version 1.0 (test standard) in June 2023.
  - The WWNWS expects version 2.0 (operational standard) to be presented to HSSC 16 for approval in June 2024
- How can you get involved?
  - Participate in the S-124 PT
  - Develop test cases
  - Test review sessions
  - Data Classification and Encoding Guide
  - Validation Check Expansion
  - **Development of the MACHC S-124 implementation plan**

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S-100 PRODUCT SPECIFICATIONS DEVELOPMENTS AND TIMELINE

	2021	2022	2023	2024		2025	2026
S-124 Navigational Warnings		Dev. Edition 1.0.0		Prelimininary implementation	Dev. Ed 2.0.0	Approval Implementation	Operational Data

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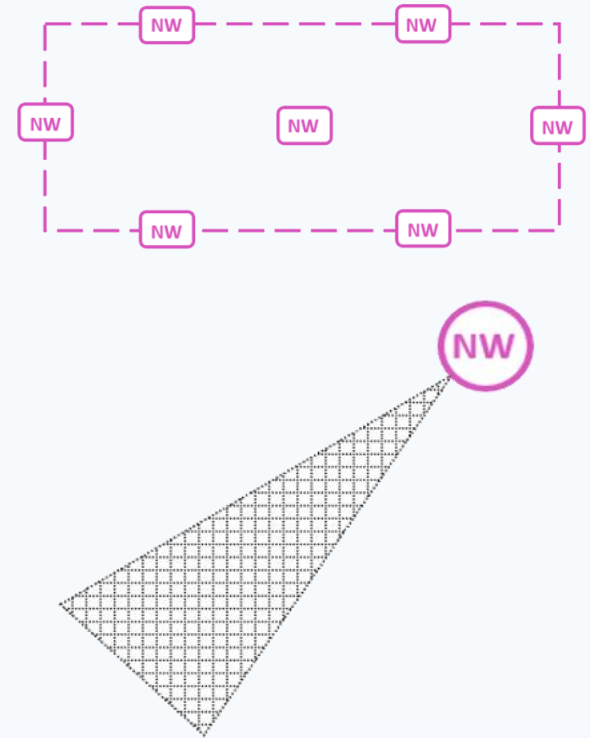
Election of the Chair and Vice Chair
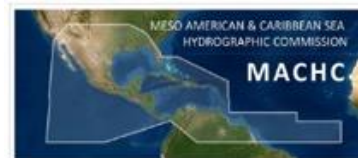
- Chair: Mr. Timothy "Ed" Stacy, United States

- Vice Chair: Vacant (no volunteers)

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Hydrographic
Organization

Work Plan for 2024

Work Item	Work Activity	Milestones	Start Date	End Date	Status P: Planned O:Ongoing C:Completed S: Suspended	Comments	Contact
1	Approval of the MSIWG Terms of Reference	*Members of the MSIWG Review existing TOR, *Members to propose edits to draft TO * Dristribute TOR for the wider comment from the MACHC; *Approve TOR	11-Dec	15-Dec	C		
2	Election of Chair/Vice Chair of MSI WG	*Members of the MSIWG to accept nominations *Members of MSIWG to vote on Chair/Vice Chair Positions (If Needed), *Bring results to wider MACHC	11-Dec	15-Dec	C		

Work Plan for 2024

Work Item	Work Activity	Milestones	Start Date	End Date	Status P: Planned O:Ongoing C:Completed S: Suspended	Comments	Contact
3	MSIWG to develop a list of additional tasks needed to support MSI promulgation and development within the MACHC region	*Determine the subjects to be covered by meetings of the MACHC MSIWG, *Develop list; *Use list to determine agenda of further meetings	11-Dec		O		
4	MSIWG to develop a S-124 plan for the MACHC	*Determine the S-124 requirements for the MACH Region *Determine the means of coastal states to produce s-124; *Develop an implementation plan in accordance with IMO/IHO guidelines	11-Dec		P		

Work Plan for 2024

Work Item	Work Activity	Milestones	Start Date	End Date	Status P: Planned O:Ongoing C:Completed S: Suspended	Comments	Contact
5	Conduct Bi-Annual MSIWG Meetings	*Plan a intersessional MSI WG meeting via telecon; *Plan one in person meeting prior to the MACHC meeting; * Determine if more MSIWG Meetings are necessary to accomplish the objectives and work plan	11-Dec		0		

Participation in the MACHC MSI WG

Please contact the MSI WG Chair, Mr. Ed Stacy:

Timothy.E.Stacy@nga.mil